

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/876,813A
Source: 1FW16
Date Processed by STIC: 12/27/04

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 12/27/2004

PATENT APPLICATION: US/09/876,813A

TIME: 12:20:58

Input Set : A:\99-19D1 SEQ.txt

Output Set: N:\CRF4\12272004\I876813A.raw

4 <110> APPLICANT: Gilbert, Teresa
 5 Hart, Charles E.
 6 Sheppard, Paul O.
 7 Gilbertson, Debra G.
 9 <120> TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
 11 <130> FILE REFERENCE: 99-19
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/876,813A
 C--> 13 <141> CURRENT FILING DATE: 2001-06-06
 13 <150> PRIOR APPLICATION NUMBER: US 60/132,250
 14 <151> PRIOR FILING DATE: 1999-05-03
 16 <150> PRIOR APPLICATION NUMBER: US 60/164,463
 17 <151> PRIOR FILING DATE: 1999-11-10
 19 <150> PRIOR APPLICATION NUMBER: US 60/180,169
 20 <151> PRIOR FILING DATE: 2000-02-04
 22 <160> NUMBER OF SEQ ID NOS: 53
 24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 1882
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Homo sapiens
 31 <220> FEATURE:
 32 <221> NAME/KEY: CDS
 33 <222> LOCATION: (226)...(1338)
 35 <400> SEQUENCE: 1
 36 ccgtcaccat ttatcagctc agcaccacaa ggaagtgcgg caccacacag cgctcggaaa 60
 37 gttcagcatg caggaagttt ggggagagct cggcgattag cacagcgacc cgggccagcg 120
 38 cagggcgagc gcaggcggcg agagcgcagg gcggcgcggc gtcgggtccc ggagcagaac 180
 39 ccggcttttt cttggagcga cgctgtctct agtcgctgat cccaa atg cac cgg ctc 237
 40 Met His Arg Leu
 41 1
 44 atc ttt gtc tac act cta atc tgc gca aac ttt tgc agc tgt cgg gac 285
 45 Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn Phe Cys Ser Cys Arg Asp
 46 5 10 15 20
 48 act tct gca acc ccg cag agc gca tcc atc aaa gct ttg cgc aac gcc 333
 49 Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile Lys Ala Leu Arg Asn Ala
 50 25 30 35
 52 aac ctc agg cga gat gag agc aat cac ctc aca gac ttg tac cga aga 381
 53 Asn Leu Arg Arg Asp Glu Ser Asn His Leu Thr Asp Leu Tyr Arg Arg
 54 40 45 50
 56 gat gag acc atc cag gtg aaa gga aac ggc tac gtg cag agt cct aga 429
 57 Asp Glu Thr Ile Gln Val Lys Gly Asn Gly Tyr Val Gln Ser Pro Arg
 58 55 60 65
 60 ttc ccg aac agc tac ccc agg aac ctg ctc ctg aca tgg cgg ctt cac 477

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| | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 61 | Phe | Pro | Asn | Ser | Tyr | Pro | Arg | Asn | Leu | Leu | Leu | Thr | Trp | Arg | Leu | His | |
| 62 | | 70 | | | | | 75 | | | | | 80 | | | | | |
| 64 | tct | cag | gag | aat | aca | cgg | ata | cag | cta | gtg | ttt | gac | aat | cag | ttt | gga | 525 |
| 65 | Ser | Gln | Glu | Asn | Thr | Arg | Ile | Gln | Leu | Val | Phe | Asp | Asn | Gln | Phe | Gly | |
| 66 | | 85 | | | | 90 | | | | | 95 | | | | 100 | | |
| 68 | tta | gag | gaa | gca | gaa | aat | gat | atc | tgt | agg | tat | gat | ttt | gtg | gaa | gtt | 573 |
| 69 | Leu | Glu | Glu | Ala | Glu | Asn | Asp | Ile | Cys | Arg | Tyr | Asp | Phe | Val | Glu | Val | |
| 70 | | | | | 105 | | | | 110 | | | | | 115 | | | |
| 72 | gaa | gat | ata | tcc | gaa | acc | agt | acc | att | att | aga | gga | cga | tgg | tgt | gga | 621 |
| 73 | Glu | Asp | Ile | Ser | Glu | Thr | Ser | Thr | Ile | Ile | Arg | Gly | Arg | Trp | Cys | Gly | |
| 74 | | | | 120 | | | | | 125 | | | | 130 | | | | |
| 76 | cac | aag | gaa | gtt | cct | cca | agg | ata | aaa | tca | aga | acg | aac | caa | att | aaa | 669 |
| 77 | His | Lys | Glu | Val | Pro | Pro | Arg | Ile | Lys | Ser | Arg | Thr | Asn | Gln | Ile | Lys | |
| 78 | | | 135 | | | | 140 | | | | 145 | | | | | | |
| 80 | atc | aca | ttc | aag | tcc | gat | gac | tac | ttt | gtg | gct | aaa | cct | gga | ttc | aag | 717 |
| 81 | Ile | Thr | Phe | Lys | Ser | Asp | Asp | Tyr | Phe | Val | Ala | Lys | Pro | Gly | Phe | Lys | |
| 82 | | 150 | | | | 155 | | | | | 160 | | | | | | |
| 84 | att | tat | tat | tct | ttg | ctg | gaa | gat | ttc | caa | ccc | gca | gca | gct | tca | gag | 765 |
| 85 | Ile | Tyr | Tyr | Ser | Leu | Leu | Glu | Asp | Phe | Gln | Pro | Ala | Ala | Ala | Ser | Glu | |
| 86 | | 165 | | | 170 | | | | 175 | | | | | 180 | | | |
| 88 | acc | aac | tgg | gaa | tct | gtc | aca | agc | tct | att | tca | ggg | gta | tcc | tat | aac | 813 |
| 89 | Thr | Asn | Trp | Glu | Ser | Val | Thr | Ser | Ser | Ile | Ser | Gly | Val | Ser | Tyr | Asn | |
| 90 | | | 185 | | | | 190 | | | | | 195 | | | | | |
| 92 | tct | cca | tca | gta | acg | gat | ccc | act | ctg | att | gcg | gat | gct | ctg | gac | aaa | 861 |
| 93 | Ser | Pro | Ser | Val | Thr | Asp | Pro | Thr | Leu | Ile | Ala | Asp | Ala | Leu | Asp | Lys | |
| 94 | | | 200 | | | | 205 | | | | 210 | | | | | | |
| 96 | aaa | att | gca | gaa | ttt | gat | aca | gtg | gaa | gat | ctg | ctc | aag | tac | ttc | aat | 909 |
| 97 | Lys | Ile | Ala | Glu | Phe | Asp | Thr | Val | Glu | Asp | Leu | Leu | Lys | Tyr | Phe | Asn | |
| 98 | | 215 | | | | 220 | | | | | 225 | | | | | | |
| 100 | cca | gag | tca | tgg | caa | gaa | gat | ctt | gag | aat | atg | tat | ctg | gac | acc | cct | 957 |
| 101 | Pro | Glu | Ser | Trp | Gln | Glu | Asp | Leu | Glu | Asn | Met | Tyr | Leu | Asp | Thr | Pro | |
| 102 | | 230 | | | | 235 | | | | | 240 | | | | | | |
| 104 | cgg | tat | cga | ggc | agg | tca | tac | cat | gac | cgg | aag | tca | aaa | gtt | gac | ctg | 1005 |
| 105 | Arg | Tyr | Arg | Gly | Arg | Ser | Tyr | His | Asp | Arg | Lys | Ser | Lys | Val | Asp | Leu | |
| 106 | | 245 | | | 250 | | | | 255 | | | | | 260 | | | |
| 108 | gat | agg | ctc | aat | gat | gat | gcc | aag | cgt | tac | agt | tgc | act | ccc | agg | aat | 1053 |
| 109 | Asp | Arg | Leu | Asn | Asp | Asp | Ala | Lys | Arg | Tyr | Ser | Cys | Thr | Pro | Arg | Asn | |
| 110 | | | 265 | | | | 270 | | | | 275 | | | | | | |
| 112 | tac | tcg | gtc | aat | ata | aga | gaa | gag | ctg | aag | ttg | gcc | aat | gtg | gtc | ttc | 1101 |
| 113 | Tyr | Ser | Val | Asn | Ile | Arg | Glu | Glu | Leu | Lys | Leu | Ala | Asn | Val | Val | Phe | |
| 114 | | | 280 | | | | 285 | | | | 290 | | | | | | |
| 116 | ttt | cca | cgt | tgc | ctc | ctc | gtg | cag | cgc | tgt | gga | gga | aat | tgt | ggc | tgt | 1149 |
| 117 | Phe | Pro | Arg | Cys | Leu | Leu | Val | Gln | Arg | Cys | Gly | Gly | Asn | Cys | Gly | Cys | |
| 118 | | | 295 | | | | 300 | | | | 305 | | | | | | |
| 120 | gga | act | gtc | aac | tgg | agg | tcc | tgc | aca | tgc | aat | tca | ggg | aaa | acc | gtg | 1197 |
| 121 | Gly | Thr | Val | Asn | Trp | Arg | Ser | Cys | Thr | Cys | Asn | Ser | Gly | Lys | Thr | Val | |
| 122 | | 310 | | | | 315 | | | | | 320 | | | | | | |
| 124 | aaa | aag | tat | cat | gag | gta | tta | cag | ttt | gag | cct | ggc | cac | atc | aag | agg | 1245 |
| 125 | Lys | Lys | Tyr | His | Glu | Val | Leu | Gln | Phe | Glu | Pro | Gly | His | Ile | Lys | Arg | |

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```

126 325          330          335          340
128 agg ggt aga gct aag acc atg gct cta gtt gac atc cag ttg gat cac 1293
129 Arg Gly Arg Ala Lys Thr Met Ala Leu Val Asp Ile Gln Leu Asp His
130          345          350          355
132 cat gaa cga tgc gat tgt atc tgc agc tca aga cca cct cga taa 1338
133 His Glu Arg Cys Asp Cys Ile Cys Ser Ser Arg Pro Pro Arg *
134          360          365          370
136 gagaatgtgc acatccttac attaagcctg aaagaacctt tagtttaagg aggggtgagat 1398
137 aagagaccct tttcctacca gcaaccaaac ttactactag cctgcaatgc aatgaacaca 1458
138 agtgggttgc gagtctcagc cttgctttgt taatgccatg gcaagtagaa aggtatatca 1518
139 tcaacttcta tacctaagaa tataggattg catttaataa tagtgtttga gggtatatat 1578
140 gcacaaacac acacagaaat atattcatgt ctatgtgtat atagatcaaa tgtttttttt 1638
141 ttttggtata tataaccagg tacaccagag gttacatatg tttgagttag actcttaaaa 1698
142 tcctttgccaa aaataagggga tgggtcaaata tatgaaacat gtcttttagaa aatttaggag 1758
143 ataaatttat ttttaaatat tgaaacacga aacaattttg aatcttgctc tcttaaagaa 1818
144 agcatcttgt atattaaaaa tcaaaagatg aggcctttctt acatatacat cttagttgat 1878
145 tatt 1882
147 <210> SEQ ID NO: 2
148 <211> LENGTH: 370
149 <212> TYPE: PRT
150 <213> ORGANISM: Homo sapiens
152 <400> SEQUENCE: 2
153 Met His Arg Leu Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn Phe Cys
154 1 5 10 15
155 Ser Cys Arg Asp Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile Lys Ala
156 20 25 30
157 Leu Arg Asn Ala Asn Leu Arg Arg Asp Glu Ser Asn His Leu Thr Asp
158 35 40 45
159 Leu Tyr Arg Arg Asp Glu Thr Ile Gln Val Lys Gly Asn Gly Tyr Val
160 50 55 60
161 Gln Ser Pro Arg Phe Pro Asn Ser Tyr Pro Arg Asn Leu Leu Leu Thr
162 65 70 75 80
163 Trp Arg Leu His Ser Gln Glu Asn Thr Arg Ile Gln Leu Val Phe Asp
164 85 90 95
165 Asn Gln Phe Gly Leu Glu Glu Ala Glu Asn Asp Ile Cys Arg Tyr Asp
166 100 105 110
167 Phe Val Glu Val Glu Asp Ile Ser Glu Thr Ser Thr Ile Ile Arg Gly
168 115 120 125
169 Arg Trp Cys Gly His Lys Glu Val Pro Pro Arg Ile Lys Ser Arg Thr
170 130 135 140
171 Asn Gln Ile Lys Ile Thr Phe Lys Ser Asp Asp Tyr Phe Val Ala Lys
172 145 150 155 160
173 Pro Gly Phe Lys Ile Tyr Tyr Ser Leu Leu Glu Asp Phe Gln Pro Ala
174 165 170 175
175 Ala Ala Ser Glu Thr Asn Trp Glu Ser Val Thr Ser Ser Ile Ser Gly
176 180 185 190
177 Val Ser Tyr Asn Ser Pro Ser Val Thr Asp Pro Thr Leu Ile Ala Asp
178 195 200 205
179 Ala Leu Asp Lys Lys Ile Ala Glu Phe Asp Thr Val Glu Asp Leu Leu

```

RAW SEQUENCE LISTING

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Output Set: N:\CRF4\12272004\I876813A.raw

```

180      210      215      220
181 Lys Tyr Phe Asn Pro Glu Ser Trp Gln Glu Asp Leu Glu Asn Met Tyr
182 225      230      235      240
183 Leu Asp Thr Pro Arg Tyr Arg Gly Arg Ser Tyr His Asp Arg Lys Ser
184      245      250      255
185 Lys Val Asp Leu Asp Arg Leu Asn Asp Ala Lys Arg Tyr Ser Cys
186      260      265      270
187 Thr Pro Arg Asn Tyr Ser Val Asn Ile Arg Glu Glu Leu Lys Leu Ala
188      275      280      285
189 Asn Val Val Phe Phe Pro Arg Cys Leu Leu Val Gln Arg Cys Gly Gly
190      290      295      300
191 Asn Cys Gly Cys Gly Thr Val Asn Trp Arg Ser Cys Thr Cys Asn Ser
192 305      310      315      320
193 Gly Lys Thr Val Lys Lys Tyr His Glu Val Leu Gln Phe Glu Pro Gly
194      325      330      335
195 His Ile Lys Arg Arg Gly Arg Ala Lys Thr Met Ala Leu Val Asp Ile
196      340      345      350
197 Gln Leu Asp His His Glu Arg Cys Asp Cys Ile Cys Ser Ser Arg Pro
198      355      360      365
199 Pro Arg
200      370

```

202 <210> SEQ ID NO: 3

203 <211> LENGTH: 126

204 <212> TYPE: PRT

205 <213> ORGANISM: Artificial Sequence

207 <220> FEATURE:

208 <223> OTHER INFORMATION: polypeptide motif

W--> 210 <221> NAME/KEY: VARIANT

211 <222> LOCATION: (2)...(19)

212 <223> OTHER INFORMATION: Xaa = Any Amino Acid

W--> 214 <221> VARIANT

215 <222> LOCATION: (20)...(34)

216 <223> OTHER INFORMATION: Xaa = Any Amino Acid or is not present

W--> 218 <221> VARIANT

219 <222> LOCATION: -(36)...(45)

220 <223> OTHER INFORMATION: Xaa = Any Amino Acid

W--> 222 <221> VARIANT

223 <222> LOCATION: (46)...(72)

224 <223> OTHER INFORMATION: Xaa = Any Amino Acid or is not present

W--> 226 <221> VARIANT

227 <222> LOCATION: (74)...(93)

228 <223> OTHER INFORMATION: Xaa = Any Amino Acid

W--> 230 <221> VARIANT

231 <222> LOCATION: (94)...(123)

232 <223> OTHER INFORMATION: Xaa = Any Amino Acid or is not present

W--> 234 <221> VARIANT

235 <222> LOCATION: (125)...(125)

236 <223> OTHER INFORMATION: Xaa = Any Amino Acid

W--> 238 <400> 3

RAW SEQUENCE LISTING

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Input Set : A:\99-19D1 SEQ.txt

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```

W--> 239 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
240      1          5          10          15
241 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
242      20          25          30
243 Xaa Xaa Cys Xaa Gly Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
244      35          40          45
245 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
246      50          55          60
247 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
248      65          70          75          80
249 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
250      85          90          95
251 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
252      100         105         110
253 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys
254      115         120         125
256 <210> SEQ ID NO: 4
257 <211> LENGTH: 24
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: polypeptide motif
W--> 264 <221> NAME/KEY: VARIANT
265 <222> LOCATION: (2)---(2)
266 <223> OTHER INFORMATION: Xaa = Lys or Arg
W--> 268 <221> VARIANT
269 <222> LOCATION: (4)---(4)
270 <223> OTHER INFORMATION: Xaa = Asp, Asn or Glu
W--> 272 <221> VARIANT
273 <222> LOCATION: (5)---(5)
274 <223> OTHER INFORMATION: Xaa = Trp, Tyr or Phe
W--> 276 <221> VARIANT
277 <222> LOCATION: (6)...(16)
278 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 280 <221> VARIANT
281 <222> LOCATION: (17)---(20)
282 <223> OTHER INFORMATION: Xaa = Any Amino Acid or is not present
W--> 284 <221> VARIANT
285 <222> LOCATION: (22)...(22)
286 <223> OTHER INFORMATION: Xaa = Lys or Arg
W--> 288 <221> VARIANT
289 <222> LOCATION: (23)---(23)
290 <223> OTHER INFORMATION: Xaa = Trp, Tyr or Phe
W--> 292 <400> 4
W--> 293 Cys Xaa Tyr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
294      1          5          10          15
295 Xaa Xaa Xaa Xaa Gly Xaa Xaa Cys
296      20
298 <210> SEQ ID NO: 5

```

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/09/876,813A

DATE: 12/27/2004
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Input Set : A:\99-19D1 SEQ.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. ~~2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23~~
 Seq#:3; Xaa Pos. ~~24,25,26,27,28,29,30,31,32,33,34,36,38,40,41,42,43,44,45~~
 Seq#:3; Xaa Pos. ~~46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64~~
 Seq#:3; Xaa Pos. ~~65,66,67,68,69,70,71,72,74,75,76,77,78,79,80,81,82,83,84~~
 Seq#:3; Xaa Pos. ~~85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102~~
 Seq#:3; Xaa Pos. ~~103,104,105,106,107,108,109,110,111,112,113,114,115,116~~
 Seq#:3; Xaa Pos. ~~117,118,119,120,121,122,123,125~~
 Seq#:4; Xaa Pos. ~~2,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23~~
 Seq#:6; N Pos. 9,12,21,27,30,39,51,57,63,66,69,72,75,81,84,87,96,99,102,108
 Seq#:6; N Pos. 114,117,120,129,138,141,147,153,156,165,174,180,186,192,198
 Seq#:6; N Pos. 201,204,210,216,222,225,231,234,237,240,246,249,255,267,270
 Seq#:6; N Pos. 279,282,300,303,312,330,342,348,360,366,369,372,381,384,387
 Seq#:6; N Pos. 396,408,411,414,417,426,429,432,450,459,474,477,483,486,504
 Seq#:6; N Pos. 507,510,525,528,531,534,537,543,555,558,561,564,567,573,576
 Seq#:6; N Pos. 579,582,591,594,597,600,603,609,612,615,621,627,630,645,657
 Seq#:6; N Pos. 660,669,672,687,693,708,723,729,732,735,741,744,747,750,762
 Seq#:6; N Pos. 768,774,780,786,789,801,807,813,819,822,825,834,837,846,855
 Seq#:6; N Pos. 861,864,870,873,882,885,891,894,897,903,909,912,921,927,930
 Seq#:6; N Pos. 933,942,945,951,960,963,969,972,990,993,1005,1008,1020,1023
 Seq#:6; N Pos. 1026,1029,1032,1038,1044,1047,1050,1062,1077,1095,1098,1101
 Seq#:6; N Pos. 1104,1107,1110
 Seq#:7; N Pos. 3,9,12
 Seq#:8; N Pos. 3,9,12
 Seq#:9; N Pos. 6,9,15
 Seq#:10; N Pos. 9,12
 Seq#:11; N Pos. 1,3,6,9,10,12
 Seq#:12; N Pos. 6,8,9,12,15,17
 Seq#:13; N Pos. 9
 Seq#:14; N Pos. 4,5,6,7,9,15
 Seq#:15; N Pos. 3,9,11,12,13,14
 Seq#:16; N Pos. 6,9,12
 Seq#:17; N Pos. 5,6,9,12,15
 Seq#:18; N Pos. 3,6,9,12,13
 Seq#:19; N Pos. 1,13
 Seq#:20; N Pos. 1,13
 Seq#:21; N Pos. 2,8,11,14
 Seq#:22; N Pos. 2,8,11,14
 Seq#:23; N Pos. 2,5,8,11
 Seq#:24; N Pos. 2,5,8,11

VERIFICATION SUMMARY

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:210 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:214 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:218 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:222 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:226 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:230 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:234 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:238 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:264 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:268 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:272 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:276 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:280 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:284 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:288 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:292 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:318 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:322 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
M:341 Repeated in SeqNo=6
L:351 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:355 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:366 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:370 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:381 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:385 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:396 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:400 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:411 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:415 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:426 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:430 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:441 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:445 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:456 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

VERIFICATION SUMMARY

DATE: 12/27/2004

PATENT APPLICATION: US/09/876,813A

TIME: 12:20:59

Input Set : A:\99-19D1 SEQ.txt

Output Set: N:\CRF4\12272004\I876813A.raw

L:460 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:471 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:475 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:486 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:490 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:501 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:505 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:516 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:520 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:531 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:535 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:546 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:550 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:561 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:565 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:576 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:580 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
L:581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:591 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:595 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
L:596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:606 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:610 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0